



United States
Department of
Agriculture

Forest
Service

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Appendix A

MORRISON RUN PROJECT

Site-Specific Proposed Actions

Bradford Ranger District, Allegheny National Forest



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Vegetation Management Proposals

Table 1 identifies the site specific treatments proposed. The Morrison Run EA and Map 1 provide further information regarding these proposals, and the Forest Plan Appendix A describes the programmatic rationale for vegetation management practices.

Table 1: Proposed vegetation management activities.

Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
442/07	Shelterwood/Removal	22	22	X	X	X				X		3.0
442/12	Accelerate mature forest conditions	86	86							X		2.2
442/15	Non-commercial release	14	14			X						2.2
442/32	Shelterwood/Removal	18	18	X	X	X				X		3.0
443/34	Commercial thin	51	51									3.0
443/34	Shelterwood/Removal	12	12	X	X	X						3.0
443/47	Shelterwood/Removal	13	13	X	X	X						3.0
443/53	Non-commercial release	5	5			X						3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA	
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify		
443/54	Non-commercial release	8	8			X							3.0
446/01	Non-commercial white pine release	3	3			X							2.2
446/01	Non-commercial white pine release	20	20			X							2.2
446/01	Non-commercial white pine release	3	3			X							2.2
446/01	Oak release	14	14								X		2.2
446/02	Non-commercial white pine release	14	14			X							2.2
446/11	Accelerate mature forest conditions	3	3								X		2.2
446/11	Non-commercial white pine release	3	3			X							2.2
446/11	Oak release	2	2								X		2.2
446/11	Oak release	13	13								X		2.2

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				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
446/19	Accelerate mature forest conditions	22	22							X		2.2
446/24	Oak release	9	9							X		2.2
449/04	Shelterwood/Removal	40	NA	X	X	X						3.0
449/07	Shelterwood/Removal	37	NA	X	X	X				X		3.0
450/01	Reforest	12	12	X	X	X		X	X			3.0
450/03	Reforest	5	5	X	X	X		X	X			3.0
450/04	Shelterwood/Removal	12	12	X	X	X		X				3.0
450/09	Shelterwood/Removal	11	11	X	X	X						3.0
450/11	Shelterwood/Removal	28	28	X	X	X						3.0
450/16	Shelterwood/Removal	40	40	X	X	X			X			3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
451/01	Shelterwood/Removal	20	20	X	X	X		X				3.0
451/06	Shelterwood/Removal	40	40	X	X	X		X				3.0
451/07	Shelterwood/Removal	2	2	X	X	X		X				3.0
451/08	Shelterwood/Removal	27	27	X	X	X		X				3.0
451/11	Shelterwood/Removal	30	30	X	X	X		X				3.0
451/16	Shelterwood/Removal	20	20	X	X	X		X				3.0
451/17	Shelterwood/Removal	20	20	X	X	X		X				3.0
451/27	Non-commercial release	18	18			X						3.0
452/12	Shelterwood/Removal	43	40	X	X	X	X	X				3.0
452/19	Shelterwood/Removal	11	NA	X	X	X	X		X			3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
452/21	Shelterwood/Removal	14	14	X	X	X	X		X			3.0
452/27	Shelterwood/Removal	35	35	X	X	X	X		X			3.0
452/28	Shelterwood/Removal	18	18	X	X	X	X	X				3.0
452/29	Two-Age	8	8	X	X	X		X				2.2
452/31	Shelterwood/Removal	15	NA	X	X	X	X	X				3.0
452/40	Shelterwood/Removal	24	24	X	X	X	X		X			3.0
452/50	Shelterwood/Removal	0.5	NA	X	X	X	X					3.0
453/05	Non-commercial release	23	23			X						3.0
453/10	Non-commercial release	38	38			X						3.0
453/37	Non-commercial release	11	11			X						3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
453/43	Reforest	28	28	X	X	X	X	X	X			2.2
454/01	Rx burn for oak	25	25							X		3.0
454/09	Shelterwood/Removal	36	36	X	X	X		X		X		3.0
454/13	Rx burn for oak	41	41							X		3.0
454/22	Shelterwood/Removal	40	NA	X	X	X						3.0
454/29	Shelterwood/Removal	32	32	X	X	X						3.0
454/34	Shelterwood/Removal	29	29	X	X	X		X				3.0
454/42	Removal	16	16	X		X		X				3.0
454/44	Non-commercial release	37	37			X						3.0
454/49	Shelterwood/Removal	10	10	X	X	X						3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
454/50	Non-commercial release	10	10			X						3.0
454/24	Rx burn for oak	34	34							X		3.0
454/57	Aspen clearcut	4	4			X	X			X	X	3.0
454/62	Shelterwood/Removal	30	30	X	X	X						3.0
454/65	Shelterwood/Removal	49	36	X	X	X	X		X			3.0
454/66	Shelterwood/Removal	4	2	X	X	X	X		X			3.0
455/02	Removal	3	3	X	X	X						3.0
455/08	Non-commercial release	21	21		X	X						3.0
455/08	Shelterwood/Removal	17	NA	X	X	X	X		X			3.0
455/09	Shelterwood/Removal	37	37	X	X	X		X	X			3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
455/15	Shelterwood/Removal	23	NA	X	X	X	X		X			3.0
455/16	Shelterwood/Removal	33	33	X	X	X			X			3.0
455/19	Non-commercial release	44	44			X						3.0
455/20	Non-commercial release	24	24			X						3.0
455/22	Shelterwood/Removal	25	16	X	X	X	X		X			3.0
455/23	Shelterwood/Removal	51	35	X	X	X	X	X				3.0
455/24	Shelterwood/Removal	6	NA	X	X	X	X		X			3.0
455/26	Shelterwood/Removal	33	33	X	X	X						3.0
455/28	Shelterwood/Removal	26	NA	X	X	X	X	X				3.0
455/30	Shelterwood/Removal	42	42	X	X	X					X	3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
455/36	Non-commercial release	16	16			X						3.0
455/37	Shelterwood/Removal	12	12	X	X	X						3.0
455/43	Shelterwood/Removal	6	6	X	X	X			X			3.0
455/45	Shelterwood/Removal	21	NA	X	X	X	X	X	X			3.0
455/46	Shelterwood/Removal	2	2	X	X	X			X			3.0
455/48	Shelterwood/Removal	39	39	X	X	X		X	X			3.0
455/50	Non-commercial eastern hemlock release	14	14	X	X	X					X	3.0
455/54	Shelterwood/Removal	11	11	X	X	X		X				3.0
455/57	Commercial thin	13	13									3.0
455/57	Shelterwood/Removal	27	27	X	X	X		X				3.0

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Compartment /Stand	Treatment	Alt. 2 Acres	Alt. 3 Acres	Associated Cultural (Reforestation) Treatments *Treatments in dropped stands (indicated by “NA” under “Alt. 3 Acres”) would not be implemented.								MA
				Site Prep	Herbicide	Release	Fence	Fertilize	Plant	Rx Burn	Scarify	
455/71	Shelterwood/Removal	20	20	X	X	X			X			3.0
456/04	Shelterwood/Removal	9	9	X	X	X						3.0
456/05	Shelterwood/Removal	24	24	X	X	X		X				3.0
456/20	Shelterwood/Removal	28	28	X	X	X		X				3.0
456/23	Non-commercial release	45	45			X						3.0
456/34	Shelterwood/Removal	4	4	X	X	X		X				3.0
456/35	Non-commercial release	12	12			X						3.0
457/29	Shelterwood/Removal	32	32	X	X	X						3.0

Transportation Proposals

Road Construction:

- *Road construction - new corridor (1.2 miles)*: In order to provide access to proposed treatment stands where there is no existing system road and realignment of FR 267.
- *Road construction - existing corridor (10.2 mile)*: Add existing non-system roads (predominately oil, gas, and mineral operators road easements) to the NFS to provide access to proposed treatments.

Road Decommissioning:

Decommission NFS and NS roads (1.3 miles): Decommission parts of FR 266A, FR267, NS 42920, and NS 51758 including stabilizing the road surface and removing culverts.

Table 2: Proposed road construction and reconstruction information.

Road Activity	Total Mileage	Proposed* / Existing Road Numbers (Miles)
Road construction - new corridor*	1.2	FR656 (0.15 mi), FR658 (0.55 mi), FR 267 realignment
Road construction – existing corridor* (Reconstruction)	10.2	FR147A (0.87 mi), FR177B Extension (0.41 mi), FR267CB (0.26 mi), FR268AA Extension (1.43 mi), FR268B (0.92 mi), FR268C (0.9 mi), FR511 (1.02 mi), FR511A (0.48 mi), FR515 (0.96 mi), FR515A (0.56 mi), FR627 Extension (0.08 mi), FR267A (0.95 mi), FR656 (0.13 mi), FR657 (1.19 mi)
Road decommissioning	1.3	FR266A (0.4 mi) , NS42920 (0.1 mi), NS51758 (0.5 mi), portion of FR 267
Road management changes	3.4	FR268 (Change from closed to restricted)

*Proposed road numbers for new NFS roads

Stone Pit Proposals:

- *Expand existing pits (6)*: Expand six existing pits up to 12 acres total and rehabilitate the depleted sections of one of these pits to prevent erosion by re-contouring, seeding, and mulching and improve wildlife habitat in these areas by constructing vernal pools.
- *Rehabilitate existing pits (3)*: Rehabilitate three depleted pits (9 acres) to prevent erosion by recontouring, seeding, and mulching and improve wildlife habitat in two of these through the construction of vernal pools.

Wildlife Habitat Improvement Proposals

Table 3: Proposed wildlife habitat improvements		
Treatment	Compartment/Stand	Total Acres
Herbicide to improve cover and forage conditions	443/56, 449/02, 450/26, 452/42, 454/73, 455/41	23
Construct vernal pools and plant shrubs to improve wildlife water availability and promote amphibian habitat	446/20, 446/33, 449/03, 449/25, 450/26, 452/41, 453/34, 455/66, 455/41	8 pools
Prescribed burn to promote growth of warm season grasses for wildlife nesting, forage & cover	442/40, 443/56	4
Create basking areas for reptiles	453/13, 453/27, 453/41	2

Riparian and Aquatic Proposals

Table 4: Proposed riparian treatments.

Stream Name	Total Length (miles)
Pigeon Run	1.1
Hemlock Run	1.5
Morrison Run	1.5
Total	4.1

Non-Native Invasive Plant (NNIP) Treatment Proposals

Table 5: Proposed non-native invasive plant treatment.

Compartment/Stand	Acres of infestation	Compartment/Stand	Acres of infestation	Compartment/Stand	Acres of infestation
442/12	0.3	452/28	0.001	456/04	0.001
442/16	0.7	452/29	0.3	456/05	0.111
442/33	0.7	452/37	0.01	456/16	0.3
443/34	0.301	452/42	0.2	456/18	0.001
443/47	0.16	453/37	0.001	456/20	0.2
443/53	0.11	453/43	0.001	456/23	0.4
443/54	0.01	454/11	0.001	456/34	0.1
446/01	0.4	454/34	0.05	457/29	0.3
446/02	0.2	454/42	3	Road Number	Acres of infestation
446/07	0.1	454/44	0.2		
446/08	0.1	454/46	0.4	FR266a	0.1

Table 5: Proposed non-native invasive plant treatment.

Compartment/Stand	Acres of infestation	Compartment/Stand	Acres of infestation	Compartment/Stand	Acres of infestation
446/12	0.1	454/62	0.11	FR454	0.6
446/15	0.1	454/65	0.401	FR147	2.5
446/16	0.3	454/66	0.1	FR268	6.6
446/18	0.1	455/02	0.4	SR59	10.61
446/19	0.1	455/08	2	SR321	18.71
446/22	0.1	455/13	1.5	Stream Corridor	Acres of infestation
446/23	0.1	455/16	0.6		
446/29	0.1	455/17	0.4		
446/30	0.1	455/19	0.2		
446/33	0.0001	455/20	0.71	Brothwell Run	0.143
				Chappel Fork - Stream Survey	5.9092
447/01	0.5	455/22	0.8	Indian Run - Stream Survey	0.21
447/10	0.1	455/23	0.1	Morrison Run	1.001
				N. Chappel Fork - Stream Survey	2.0294
449/03	0.001	455/24	0.1	Pigeon Run	0.013
449/04	0.0501	455/26	0.3	Wolf Run Marina	0.5102
449/07	0.2	455/28	0.1	Acres infested identified during surveys	72
449/25	0.001	455/36	0.1		
450/01	0.245	455/37	0.11		
450/03	0.1	455/41	0.402	Additional treatment acres predicted by 2020	370
450/04	0.102	455/43	0.4		
450/28	0.12	455/44	0.2		
451/06	0.1	455/45	0.1		
451/08	0.001	455/46	0.0001		
451/11	0.01	455/48	0.6		

Table 5: Proposed non-native invasive plant treatment.

Compartment/Stand	Acres of infestation	Compartment/Stand	Acres of infestation	Compartment/Stand	Acres of infestation
451/27	0.2	455/50	0.2	Total estimated NNIP treatments by 2020	442
452/17	0.16	455/57	0.1001		
452/18	0.06	455/68	0.3		
452/20	0.06	455/71	0.0001		

Scenery Proposals

Table 7. Proposed scenery treatments.

Treatment (Miles)	Location (Compartment/Stand)	Total acres
Vista thinning and clearing (0.01)	South of the entrance to Dunkle Corners (456/16)	2
Vista thinning, Reserve feature trees (0.15)		3
Vista clearing (0.2)	North of the powerline right of way (456/16)	2
Vista thinning, Reserve feature trees (0.4)	South of the powerline right of way (456/16)	3